

XP-002264871

AN - 2001-173317 [18]

AP - JP19990171665 19990617

CPY - ASAH

DC - A17 A92 P73

FS - CPI;GMPI

IC - B32B27/32

MC - A04-G02E2 A04-G07 A07-A02C A12-P01A A12-S06C1

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PN - JP2001001468 A 20010109 DW200118 B32B27/32 018pp

PR - JP19990171665 19990617

XA - C2001-052776

XIC - B32B-027/32

XP - N2001-125243

AB - JP2001001468 NOVELTY - Shrinkable multilayer film consists of at least three layers comprising:

- (A) surface layers containing linear low-density polyethylenes; and
- (B) at least one inside layer containing a mixed resin composition.
- DETAILED DESCRIPTION - Shrinkable multilayer film consists of at least three layers comprising:
 - (A) surface layers containing linear low-density polyethylenes with densities of 0.900-0.940 g/cm³; and
 - (B) at least one inside layer containing a mixed resin composition containing:
 - (a) 50-90 weight percent linear low-density polyethylene with a density of 0.900-0.940 g/cm³;
 - (b) 5-40 weight percent high pressure processed low-density polyethylene; and
 - (c) 5-40 weight percent copolymer selected from ethylene-vinyl acetate copolymers and ethylene-aliphatic unsaturated carboxylate copolymers.
 - The gel percentage of all the layers is 0.1-10 weight percent.
 - The gel percentages and layer proportions of the surface layers (A) and the inside layer (B) satisfy formula (I).
 - The melting point of at least one resin used in the inside layer (B) is higher than that of the surface layers (A).
 - The maximum equilibrium shrinkage stress measured by ASTM D-2838 at 80-140 deg. C is up to 200 g/mm² in both longitudinal and crosswise directions.
 - The shrinkage percentage of the film measured by ASTM D-2732 at 140 deg. C is at least 30% in at least one of longitudinal and crosswise directions.
- GB asterisk TB at least GA asterisk TA (I)
- GA = gel percentage of the surface layers (A);
- GB = gel percentage of the inside layer (B);
- TA = thickness proportion of the surface layers (A);
- TB = thickness proportion of the inside layer (B).
- USE - The shrinkable multilayer film can be used for packaging.
- ADVANTAGE - The shrinkable multilayer film invented has suitability for machine packaging, good optical characteristics, and good heat characteristics.